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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/647,648	11/17/2000	Anthony A. Anthony	6521-3-1-PCT	1270

21324 7590 02/14/2002  
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EXAMINER

NORRIS, JEREMY C

ART UNIT	PAPER NUMBER
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2827

DATE MAILED: 02/14/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/647,648

**Applicant(s)**

ANTHONY ET AL.

**Examiner**

Jeremy Norris

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 17 September 2001.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-48 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 9-48 is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All   b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)                      4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)                      5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_                      6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Specification***

This application does not contain an abstract of the disclosure as required by 37 CFR 1.72(b). An abstract on a separate sheet is required.

### ***Drawings***

Since allowable subject matter has been indicated, applicant is encouraged to submit formal drawings in response to this Office Action. The early submission of formal drawings will permit the Office to review the drawings for acceptability and to resolve any informalities remaining therein before the application is passed to issue. This will avoid possible delays in the issue process.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Anthony (US 6,097,581).

Anthony discloses, referring to figure 1, a carrier electrical circuit conditioning assembly comprising: at least one differential and common mode filter (10) having at least a first (16a) and second (16b) differential electrode band and at least one common ground conductive band (14); a conductive ground surface electrically connected to said at least one common ground conductive band (not shown, but referred to; see col. 14, lines 50-60); and at least two signal conductors (12a, 12b) electrically connected between said first and second differential electrode bands with both of said at least two signal conductors electrically isolated from one another and from said common ground conductive band; wherein said at least one differential and common mode filter provides at least one capacitive element (30; figure 2B) electrically connected between said at least two signal conductors; wherein said at least one differential and common mode filter provides at least two capacitive elements (32; figure 2B), one electrically connected between said first signal conductor and said ground conductive surface and the other electrically connected between said second signal conductor and said ground conductive surface; and wherein said at least one differential and common mode filter provides electrical isolation between said at least two signal conductors [claim 1], wherein said conductive ground surface in combination with said differential and common mode filter minimizes the effects of stray capacitance thereby decreasing the level of electrical noise coupled onto said at least two signal conductors [claim 2], wherein said conductive ground surface in combination with said differential and

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common mode filter increases the attenuation and filtering provided by said at least one differential and common mode filter [claim 3], wherein said conductive ground surface in combination with said differential and common mode filter increases decoupling efficiency to said signal conductors provided by said at least one differential and common mode filter thereby reducing the level of switching noise coupled onto said at least two signal conductors [claim 4], wherein said conductive ground surface in combination with said differential and common mode filter increases the mutual cancellation of magnetic fields generated between said at least two signal conductors [claim 5], wherein said conductive ground surface in combination with said differential and common mode filter decreases the level of mutual inductive coupling between said at least two signal conductors [claim 6], wherein said conductive ground surface in combination with said differential and common mode filter minimizes the effects of cross talk between said at least two signal conductors [claim 7], wherein said conductive ground surface in combination with said differential and common mode filter minimizes the effects of ground return loops coupled onto said at least two signal conductors [claim 8].

***Allowable Subject Matter***

Claims 9-48 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: While it is known in the art to attach filters to circuit carriers, the specific composition of both the circuit carrier and the particular connections of the filters thereto instantly claimed were neither found to be disclosed in nor suggested by the prior art.

**Conclusion**

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 6,157,528      Anthony,

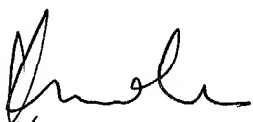
US 6,282,074      Anthony.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeremy Norris whose telephone number is 703-306-5737. The examiner can normally be reached on Mon.-Th., 9AM - 6:30 PM and alt. Fri. 9AM-5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Talbott can be reached on 703-305-9883. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-7724 for regular communications and 703-305-7724 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

JCSN  
February 9, 2002

  
Klues  
Primary Examiner